

IN THE CLAIMS:

In accordance with 37 C.F.R. § 1.121(c)(1), please substitute for original claims 1, 2, 4-11, 13-15, and 19 the following rewritten versions of the same claims, as amended. The changes are shown explicitly in the attached "Version with Markings to Show Changes Made."

11/17/17

1. (Amended) A core structure of an integral heat-exchanger, comprising:
- at least two first heat exchanger tubes which extend in parallel with each other;
 - at least two second heat exchanger tubes which extend in parallel with each other,
 - wherein the two second heat exchanger tubes are juxtaposed with the first heat exchanger tubes; and
 - a corrugated fin including a corrugated first part interposed between said first heat exchanger tubes, a corrugated second part interposed between said second heat exchanger tubes, and a flat connection part arranged between the corrugated first and second parts,
 - wherein said corrugated first part of the fin is formed with a plurality of first louvers each extending substantially between the two first heat exchanger tubes,
 - wherein said corrugated second part of the fin is formed with a plurality of second louvers each extending substantially between the two second heat exchanger tubes, wherein an innermost one of said second louvers is positioned away from an innermost end of said corrugated second part of the fin by a given length, and
 - wherein said flat connection part is formed with a third louver in the vicinity of an innermost one of said first louvers, wherein said third louver is constructed to obstruct a heat transfer in the fin.

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2. (Amended) A core structure as claimed in Claim 1, wherein said first louvers and second louvers are constructed to improve a heat radiation of the fin, and wherein each of said first, second, and third louvers extends in a direction perpendicular to the direction in which air flows.

4. (Amended) A core structure as claimed in Claim 1, wherein said second heat exchanger tubes are located behind said first heat exchanger tubes with respect to a direction in which air flows.

5. (Amended) A core structure as claimed in Claim 4, wherein said first heat exchanger tubes and said corrugated first part of the fin are adapted to act at a lower temperature, and wherein said second heat exchanger tubes and said corrugated second part of the fin are adapted to act at a higher temperature.

6. (Amended) A core structure as claimed in Claim 5, said first heat exchanger tubes are arranged to have a refrigerant of an automotive air conditioner flow therethrough, and wherein said second heat exchanger tubes are arranged to have an engine cooling water flow therethrough.

7. (Amended) A core structure as claimed in Claim 1, wherein the distance between said third louver and the innermost end of said corrugated second part of the fin is less than 12 mm, and wherein said given length is greater than a pitch at which said second louvers are arranged.

8. (Amended) A core structure as claimed in Claim 1, wherein the length between the third louver and the innermost one of said second louvers is substantially equal to the length of said flat connection part of said fin.

9. (Amended) A core structure as claimed in Claim 1, wherein a front cluster including said first louvers and said third louver and a rear cluster including said second louvers are arranged symmetrically with respect to said flat connection part of said fin.

10. (Amended) A core structure as claimed in Claim 9, wherein a center line of said corrugated fin is located in a center portion of said flat connection part.

11. (Amended) A core structure as claimed in Claim 1, wherein the width of the first heat exchanger tubes is different from that of the second heat exchanger tubes.

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13. (Amended) A core structure of an integral heat-exchanger, comprising:
at least two first heat exchanger tubes which extend in parallel with each other;
at least two second heat exchanger tubes which extend in parallel with each other,
wherein said second heat exchanger tubes are juxtaposed with said first heat exchanger tubes; and
a corrugated fin including a corrugated first part interposed between said first heat exchanger tubes, a corrugated second part interposed between said second heat exchanger tubes, and a flat connection part arranged between the corrugated first and second parts,
wherein said corrugated first part of the fin is formed with a plurality of first louvers each extending substantially between said first heat exchanger tubes,
wherein said corrugated second part of the fin is formed with a plurality of second louvers each extending substantially between said second heat exchanger tubes, and
wherein said flat connection part is formed with a plurality of heat radiation portions, wherein each radiation portion is constructed not to deteriorate the heat transfer in the fin substantially.

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14. (Amended) A core structure as claimed in Claim 13, wherein said heat radiation portions are auxiliary louvers, and wherein each auxiliary louver is smaller in size than each of the first and second louvers.

15. (Amended) A core structure as claimed in Claim 14, wherein each of said auxiliary louvers extends in a direction perpendicular to the direction in which air flows.

19. (Amended) A core structure as claimed in Claim 1, wherein the number of louvers provided in a front cluster which includes said first louvers and said third louver is different than the number of louvers provided in a rear cluster which includes said second louvers, wherein said flat connecting part of the corrugated fin is formed with a plurality of heat radiation portions which are located closer to the corrugated second part than the corrugated first part, and wherein each radiation portion is constructed not to deteriorate the heat transfer in the fin substantially.

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Please add the following new claim:

25. (New) A core structure as claimed in Claim 1, wherein said flat connection part is free from cut-out portions.

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